

REMARKS

Claims 1, 2 and 4-24 are pending in this application. By this Amendment, claims 1, 4, 5, 7, 8, 10 and 16 are amended; new claims 17-24 are added; and claim 3 is canceled, without prejudice to, or disclaimer of, the subject matter resulted therein. Support for amendments to independent claims 1 and 16 can be found at least in the specification, at page 25, line 13 to page 26, line 3. Claims 4-5, 7-8 and 10 are amended for dependency. Support for new claim 17 can be found at least at claims 1 and 8, and in the specification from page 12, line 20 to page 13, line 13. Support for new claim 21 can be found at least at claims 8 and 16, and in the specification at page 12, line 20 - page 13, line 13. Support for new claims 18 and 22 can be found at least at claim 4. Support for new claims 19 and 23 can be found at least at claim 7. Support for new claims 20 and 24 can be found at least at claim 9. Thus, no new matter is added.

Applicant appreciates the courtesies shown to Applicant's representatives by Examiner Nguyen and Examiner Poon in the October 10, 2007 personal interview. Applicant's separate record of the substance of the interview is incorporated into the following remarks.

I. The Claims Define Patentable Subject Matter**A. §103(a) Rejection of Claims 1-5, 7, 10-11 and 16 over Anzai**

Claims 1-5, 7, 10-11 and 16 are rejected under 35 U.S.C. §103(a) over U.S. Patent No. 6,009,242 to Anzai ("Anzai"). The rejection of claims 1-2, 4-5, 7, 10-11 and 16 is respectfully traversed and the rejection of canceled claim 3 is moot.

Anzai does not teach or suggest every feature recited in claims 1-2, 4-5, 7, 10-11 and 16. As argued during the interview, Anzai does not teach or suggest "compression determining means employing a reference value indicative of the data transferring performance...the reference value being based on the following formula: $Lr = B1/(Bg*De)$," as recited in amended independent claim 1. Further, Anzai does not teach or suggest

"wherein the determining step includes employing a reference value indicative of the data transferring performance...the reference value being based on the following formula: $Lr = B1/(Bg*De)$," as recited in amended independent claim 16.

Anzai does not disclose a system that compresses or decompresses data based on a reference value. Anzai merely discloses that compressed data is expended after being transferred to a print mechanism (Anzai, col. 6, lines 8-10).

Further, Anzai does not teach or suggest "the following formula: $Lr = B1/(Bg*De)$," as recited in amended independent claims 1 and 16. Anzai does not disclose any detail how the data is compressed or decompressed.

Thus, for at least these reasons, independent claims 1 and 16 are patentable over Anzai. Further, claims 2, 4, 5, 7, 10 and 11 depend from claim 1. Thus, claims 2, 4, 5, 7, 10 and 11 are patentable over Anzai for at least the reasons discussed above with respect to claim 1, as well as for additional features they recite. Withdrawal of the rejection is thus respectfully requested.

B. §103(a) Rejection of Claim 6 over Anzai in view of Nohnishi

Claim 6 is rejected under 35 U.S.C. §103(a) over Anzai in view of U.S. Patent No. 6,906,822 to Nohnishi ("Nohnishi"). The rejection is respectfully traversed.

Anzai and Nohnishi, alone or in a permissible combination, do not teach or suggest every feature of claim 6. Nohnishi does not remedy the deficiencies discussed above with respect to Anzai. Nohnishi is cited by the Office Action for only its alleged teaching of "stopping operation." Claim 6 depends from independent claim 1. Thus, claim 6 is patentable over Anzai and Nohnishi for at least the reasons discussed above with respect to independent claim 1, as well as for additional features it recites. Withdrawal of the rejection is thus respectfully requested.

C. §103(a) Rejection of Claims 8 and 9 over Anzai in view of Nishigaki '722

Claims 8 and 9 are rejected under 35 U.S.C. §103(a) over Anzai in view of U.S. Patent No. 7,009,722 to Nishigaki ("Nishigaki '722"). The rejection is respectfully traversed.

Anzai and Nishigaki '722, alone or in a permissible combination, do not teach or suggest every feature of claims 8 and 9. Nishigaki '722 does not remedy the deficiencies discussed above with respect to Anzai. Nishigaki '722 is cited by the Office Action for only its alleged teaching of "reference value." Claims 8 and 9 depend from independent claim 1. Thus, claims 8 and 9 are patentable over Anzai and Nishigaki '722 for at least the reasons discussed above with respect to claim 1, as well as for additional features they recite.

Withdrawal of the rejection is thus respectfully requested.

D. §103(a) Rejection of Claims 12 and 13 over Anzai in view of Nishigaki '534

Claims 12 and 13 are rejected under 35 U.S.C. §103(a) over Anzai in view of U.S. Patent No. 6,798,534 to Nishigaki et al. ("Nishigaki '534"). The rejection is respectfully traversed.

Anzai and Nishigaki '534, alone or in a permissible combination, do not teach or suggest every feature of claims 12 and 13. Further, Nishigaki '534 does not remedy the deficiencies discussed above with respect to Anzai. Nishigaki '534 is cited by the Office Action for only its alleged teaching of "printing engine." Claims 12 and 13 depend from independent claim 1. Thus, claims 12 and 13 are patentable over Anzai and Nishigaki '534 for at least the reasons discussed with respect to independent claim 1, as well as for additional features they recite. Withdrawal of the rejection is thus respectfully requested.

E. §103(a) Rejection of Claim 14 over Anzai in view of Murahashi

Claim 14 is rejected under 35 U.S.C. §103(a) over Anzai in view of U.S. Patent No. 5,864,652 to Murahashi ("Murahashi"). The rejection is respectfully traversed.

Anzai and Murahashi, alone or in a permissible combination, do not teach or suggest every feature of claim 14. Murahashi does not remedy the deficiencies discussed above with respect to Anzai. Murahashi is cited by the Office Action for only its alleged teaching of "image forming device." Claim 14 depends from independent claim 1. Thus, claim 14 is patentable over Anzai and Murahashi for at least the reasons discussed above with respect to claim 1, as well as for the additional features it recites. Withdrawal of the rejection is thus respectfully requested.

F. §103(a) Rejection of Claim 15 over Anzai and Yokomizo in view of Lapstun

Claim 15 is rejected under 35 U.S.C. §103(a) as being unpatentable over Anzai in view of U.S. Patent No. 6,321,266 to Yokomizo et al. ("Yokomizo") and further in view of U.S. Patent No. 7,222,789 to Lapstun et al. ("Lapstun"). The rejection is respectfully traversed.

Anzai, Yokomizo and Lapstun, alone or in a permissible combination, do not teach or suggest every feature of claim 15. Neither Yokomizo nor Lapstun remedies the deficiencies discussed above with respect to Anzai. Yokomizo is cited by the Office Action for only its alleged teaching of "a non-reversible compression DCT method." Lapstun is cited by the Office Action for only its alleged teaching of "wavelet conversion." Claim 15 depends from claim 1. Thus, claim 15 is patentable over Anzai and Yokomizo in view of Lapstun for at least the reasons discussed above with respect to amended independent claim 1, as well as for additional features it recites. Withdrawal of the rejection is thus respectfully requested.

II. New Claims

None of the applied references, alone or in a permissible combination, do not teach or suggest every feature of new claims 17-24. For example, none of these references teach or suggest "the compression determining means determines whether to compress the image data

if greatest raster length in each page of the image data exceeds a predetermined percentage value of the largest image forming width provided by the printing engine," as recited in new independent claim 17 (emphasis added). Further, for example, none of these references teach or suggest "the determining step determines the necessity of compression based on whether greatest raster length in each page of the image data exceeds a predetermined percentage value of the largest image forming width provided by printing engine," as recited in new independent claim 21 (emphasis added).

In Anzai, the determination is based on the condition of the print mechanism and remaining data amount to be printed (see Anzai, col. 11, lines 48-63, and col. 12, lines 43-53). Anzai does not teach or suggest the features discussed above with respect to new independent claims 17 and 21. Further, the other applied references do not remedy the above-described deficiencies of Anzai.

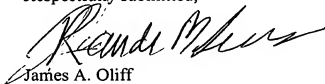
Thus, new independent claims 17 and 21 are patentable over the applied references. New claims 18-20 and 22-24 respectively depend from independent claim 17 and 21. Thus, new claims 18-20 and 22-24 are also patentable over the applied references for at least the reasons discussed above with respect to claims 17 and 21, as well as for the additional features they recite.

III. Conclusion

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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Attachment:

Amendment Transmittal

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